REPORT DOCUMENTATION PAGE

Form Approved OMB No. 0704-0188

Public reporting burden for this i Checkion of Internation's estimated to Average Industries including the time for reviewing instructions, searching existing data sources, gastering and maintaining the data needed and of parting and reviewing the illustropy of information. Undercommons regarding this burden estimate on their spectra fit in collection of information, including suggestions for the original collection in their spectra fit in Davis Highway, Suite 1204, Arlington, CA 1222-3307, and to the Office of Management and Sudget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY (Leave blank)	& REPORT DATE	3. REPORT TYPE AND	DATES COVERED	
4. TITLE AND SUBTITLE		FINAL REPORT	01 Nov 93 -	31 Jan 95
AT THE WAR SUBTILLS				

(HBCU/MI) ADVANCEMENT OF KNOXVILLE COLLEGE RESEARCH ABILITIES

5. FUNDING NUMBERS

KKKKKK 62228D

U. MUINUMA) Professor Noureddine 4276/AS

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)

Knoxville College 901 College Street Knoxville, TN 37921 8. PERFORMING ORGANIZATION REPORT NUMBER

AEOSR-TR- 95 - 0452

9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES)

AFOSR/NE 110 Duncan Avenue Suite B115 Bolling AFB DC 20332-0001

10. SPONSORING / MONITORING AGENCY REPORT NUMBER

F49620-93-1-0622

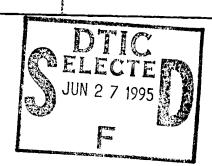
11. SUPPLEMENTARY NOTES

ริวัต เมิดริโตเติดรัศเกรา พระติก พลัก พลัก โลกรัฐมีสามผล วิ

APPROVED FOR PUBLIC RELEASE: DISTRIBUTION UNLIMITED

13. ABSTRACT (Maximum 200 words)

SEF FINAL REPORT ABSTRACT



19950626 041

DTIC QUALITY INSPECTED 3

14. SUBJECT TERMS			15. NUMBER OF PAGES
			16. PRICE CODE
17. SECURITY CLASSIFICATION OF REPORT	18. SECURITY CLASSIFICATION OF THIS PAGE	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT
UNCLASSIFIED VSN 7540-01-280-5500	UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED

anderd Form 298 (Rev. 2-89) Francische by work little freibing.

Final Report

On

Research Instrumentation

b y

G.M. Pathan and M. Rader

Accesion For						
NTIS DTIC		j				
Unanno						
Justific	ation					
By Distribution						
Availability Codes						
Dist Avail and for Special						
A-1						

Introduction:

The purpose of this grant was two fold. The first purpose was to bring Internet capabilities to the Knoxville College campus for purposes of performing computational AFOSR research. The second purpose was to bring advanced UNIX computing capabilities to the campus and link them with similar capabilities at the University of Tennessee, Knoxville using the Internet.

It was decided to accomplish this task by purchasing portions of the equipment, software, and equipment through the University of Tennessee. This purchasing of these services through UTK resulted in a 43% discount from Sun Microsystems. This also allowed us to use all of the UTK site licenses for network services.

As specified in the initial grant, ten Sun Workstations were purchased 3 Sparcstation 10's and 7 Sparcstation LX's with the associated support equipment. In addition, 7 IBM compatibles were purchased for the Division of Natural Science, 1 Tektronix color laser printer, and 1 CD-ROM maker along with additional software to network these machines to the Sparcstation network.

Networking Strategy

In order to make the maximum use of the equipment for research, 2 of the Sparcstation 10's were designated for server applications. One is on permanent loan to the University of Tennessee to act as software license, and Usenet News server for the College with the second on site to act as local server for disk, networking, and print services. The third acts as backup server at Knoxville College and master research terminal. The 7 Sparcstation LX's are being used for student based research and faculty Internet access. Name and Gateway services are being provided by a Sparcstation 5 purchased by MIS funds from the College. A detailed bid sheet from Sun Microsystems is included in Appendix A.

All of the machines purchased have been interconnected using standard TCP/IP protocols. At present the College has wired McKee Hall, Wallace Hall, and the Student Center for Internet Services from internal College funds. Access to both laser and color print services are available from all of the Sparcstations. These machines are cross linked with counterparts on The University of Tennessee campus. At present the Knoxville College mounts and has access to all of the UTK

forest domain drives through the machine stationed on the UTK campus with no reverse access set up. This increases the storage capacity of Knoxville College while maintaining the Colleges independence.

Software Purchased:

Care was taken to select multipurpose software for the systems that would allow general purpose use with special purpose software to be supplied by future research grants. More specifically Autocad R12, Matlab R4.2, WordPerfect 5.1, and various SUN compilers were purchased for the Sparcs. Portions of the software were purchased through The University of Tennessee. The major software purchased through UT include the compilers and SUN OS for \$125.00 with constant upgrades for the next two years and Matlab for \$50.00/key-year for 10 keys. Matlab was used to replace the Mathmatica package due to the less expensive price.

The OS on these systems has been upgraded twice by UT since the projects inception. Once from SUN OS 4.1.3 to Solarius 2.3, and a upgrade from Solarius 2.3 to 2.4.

Research Started Since Grant Inception:

Using this equipment, two funded research projects have been started and others have been proposed to assorted DoD agencies. first project with AFOSR entitled "The Study of Efficient Plasma Sources" is both to model and experimentally study plasma sources with the University of Tennessee. This project is divided into two The first part, being performed at Knoxville College, is to computationally various model plasma sources and experimentally produce the same source at the University Tennessee plasma science facility. This project has since then been modified, with the consent of the contract monitor to include work by Knoxville College on the AFOSR OOPIC code.

In conjunction with the work already started, a second project has been funded by the Office of Navel Research to link student laboratories at Knoxville College with the University of Tennessee. This will serve as a transitioning lab between Knoxville College and UTK. This will allow students to get training in elementary engineering courses at KC then transition to UTK for a full

engineering degree as well as get a second degree from Knoxville College.

Equipment Purchased From Cost Savings:

Because of the cost savings afforded to the joint KC-UTK work, excess uncommitted funds were remaining at the end of the contract period. Since part of the focus of the original research grant was shifted to include work on the IBM P.C. compatibles, it was decided to use part of the excess funds to purchase 9 IBM compatibles. Five 486-50's were purchased as student research machines along with 2 486-66's.

In addition two lap top computers have been ordered. One is a color 486-50 from Gateway 2000, with the second being a color 486-100 from the same company. Also included in the cost savings are 1 Tektronix IISX 300 dpi color laser printer, 1 Macintosh Quadra 840AV, and 1 CD-ROM maker. As of the writing of this report the IBM P.C.'s have been ordered, but have not been delivered. Delivery is expected in late April.

Conclusion:

All of the equipment specified in the original grant was purchased in accourdance with AFOSR guidelines along with the technical support needed to install and maintain the equipment. In addition, with AFOSR permission, additional equipment was purchased through the grant from cost savings on the original quoted prices. These cost savings were achieved by the purchase of the Sun computer equipment through the University of Tennessee. This use of large state institution buying power resulted in the purchase of 11 additional computers, one CD-ROM maker, and one color laser printer.

Appendix A
Sun Microsystem Bids

PAGE

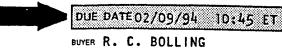
PURCHASING DEPARTMENT 2200 ANDY HOLT AVENUE KNOXVILLE TN 615-974-3311

37996 5000

REQUEST FOR QUOTATION NUMBER EC-E00121

DATE 01/24/94

RETURN QUOTATION BY DATE SHOWN



THIS IS

ATTN: JANINE YOUNG

SUN MICROSYSTEMS INC 725 PELLISSIPPI PKWY, STE 205 KNOXVILLE TN 37922

24719N Bidder

15-30 Days ARO

PLEASE

Net 30 Days

INSERT F.O.B.

TERMS

UTK-DEST

AN **ORDER**

NOT

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
			ITEMS AS LISTED BELOW TO BE SUN PER THE ATTACHED SPECIFICATIONS OR EQUAL.		
001	3	EA	S10FGX-40-32-P46	9,972.15	29,916.45
			SPARCSYSTEM 10 MODEL 40 WITH ONE SUPERSPARC PROCESSOR GX 8-BIT ACCELERATED 2-D/3-D COLOR GRAPHICS WORKSTATION 16-INCH COLOR MONITOR, 32-MBYTE 1.05-GBYTE INTERNAL FAST SCSI-2 DISK, SPEAKERBOX, 1.44-MBYTE 3.5-INCH INTERNAL FLOPPY DRIVE		
			MFGR. Sun. Microsystems#. SlOFGX-40-32-P46		
002	3	EA	X3540F	-0-	-0-
			SPARCSYSTEM 10 COUNTRY KIT SPARCSYSTEM 10 TYPE 5 COUNTRY KIT TYPE 5 COUNTRY KIT FOR U.S. AND CANADA ONLY UNIX		
			MFGR. Sun Microsystems# X3540F		
003	3	EA	X987A	42.75	128.25
			AUDIO/AUI ADAPTER CABLE		
			MFGR. Sun. Microsystems# X987A		
004	3	EA	X545A	912.00	2,736.00
			1.05 GBYTE FAST SCSI-2 DESKTOP DISK PACK		•
			MFGR. Sun Microsystems# X545A		
005	2	EA	X116F	584.25	1,168.50
			16-MBYTE MEMORY EXPANSION (16-MBYTE SIMM)		
			MFGR. Sun Microsystems# X116F		•

WE OFFER TO SELL TO YOU THE ABOVE MATERIALIS) OR SERVICE AT THE PRICE AND TERMS SPECIFIED HEREON, AND IN ACCORDANCE WITH THE GENERAL AND SPECIAL BID CONDITIONS FURNISHED.

ALTERNATIVE MATERIALS OR SPECIFICATIONS, IF ANY HAVE BEEN CLEARLY INDICATED.

IF YOU HAVE ANY QUESTIONS CONCERNING THIS REQUEST FOR QUOTATION, CONTACT THE BUYER AT THE ADDRESS AND TELE-PHONE NUMBER SHOWN ABOVE. THIS IS NOT AN ORDER

TOLL-FREE TEL. NO._

BID SUBMITTED BY: DATE 1/31/94 FIRM NAME Sun Microsystems, Inc. SIGNED_ Sales Representative TITLE_ TELEPHONE NUMBER 615/966-8528

PAGE 2 PURCHASING DEPARTMENT 2200 ANDY HOLT AVENUE KNOXVILLE TN 37996 5000 615-974-3311

REQUEST FOR QUOTATION NUMBER EC-E00121

DATE 01/24/94

RETURN QUOTATION BY DATE SHOWN



DUE DATE 02/09/94 10:45 ET

THIS

IS

NOT

AN

ORDER

ATTN: JANINE YOUNG

SUN MICROSYSTEMS INC 725 PELLISSIPPI PKWY, STE 205 KNOXVILLE TN 37922

BUYER R. C. BOLLING

24719N Bidder

PLEASE

SHIPMENT PROMISED

INSERT

F.O.R

TERMS

UTK-DEST

ITEM QUANTITY UNIT DESCRIPTION UNIT PRICE AMOUNT 006 7 EA 4/30FGX-16-P44 5,127.15 35,890.05 SPARCSYSTEM LX
GX 8-BIT ACCELERATED 2-D/3-D
COLOR GRAPHICS WORKSTATION
16-INCH COLOR MONITOR, 16-MBYTE,
535-MBYTE INTERNAL SCSI-2 DISK MFGR. Sun Microsystems# 4/30FGX-16-P44 007 7 EA X3540R -0--0-TYPE 5 COUNTRY KIT TYPE 5 COUNTRY KIT FOR U.S. AND CANADA ONLY MFGR. Sun Microsystems# . X3540R 800 1 EA X557A 510.15 510.15 DESKTOP SUNCD PLUS PACK MFGR..Şun Microsystem#..X557A..... 009 1 ΕA X660A 969.00 969.00 150-MBYTE 1/4-INCH TAPE DESKTOP BACKUP PACK MFGR Sun Microsystems# X660A 010 1 ΕA X814A 2,508.00 2,508.00 5-GBYTE 8MM TAPE BACKUP DRIVE DESKTOP STORAGE MODULE MFGR Sun Microsystems# X814A 011 1 EA SX-21 -114.00 114.00 SOLARIS 1.1.1 MEDIA FOR NEW SYSTEMS ONLY UNLT SOLARIS SOFTWARE (MEDIA ONLY) -FOR USE WORLDWIDE CD-ROM FOR: ALL SPARCSYSTEMS (EXCEPT SPARCCLASSIC AND

WE	OFFE	R TO	SELL	TO Y	OU THE	AROVE	MATE	214160	OR SERVICE
~'	THE P	LICE	ANU	IEKMS	SPEC	FIFD ME	PEON	AND IN	400000
AN	E WIT	TH TH	E GEI	VERAL	AND S	PECIAL	BID CO	NOITIONS	FURNISHED

ALTERNATIVE MATERIALS OR SPECIFICATIONS, IF ANY HAVE BEEN CLEARLY INDICATED.

IF YOU HAVE ANY QUESTIONS CONCERNING THIS REQUEST FOR QUOTATION, CONTACT THE BUYER AT THE ADDRESS AND TELE-PHONE NUMBER SHOWN ABOVE.

THIS IS NOT AN ORDER

BID SUBMITTED BY:

DATE.

FIRM NAME.

SIGNED.

TITLE_

TELEPHONE NUMBER

TOLL-FREE TEL NO.

PAGE 3

PURCHASING DEPARTMENT 2200 ANDY HOLT AVENUE KNOXVILLE TN 615-974-3311

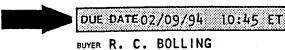
37996 5000

REQUEST FOR QUOTATION

NUMBER EC-E00121

DATE 01/24/94

RETURN QUOTATION
BY DATE SHOWN



THIS IS

NOT

ATTN: JANINE YOUNG

Bidder

SUN MICROSYSTEMS INC 725 PELLISSIPPI PKWY, STE 205 KNOXVILLE TN 37922 24719N Bidder

SHIPMENT PROMISED

PLEASE TERMS

F.O.B.
UTK-DEST

AN ORDER

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
			SPARCSTATION LX) MFGR.Sun Microsystems# SX-21	•	
012	1	EA	SS-23	282.15	282.15
			SOLARIS 1.1.1 ANSWERBOOK ONLINE DOCUMENTATION MEDIA, SINGLE-USER LICENSE AND DOCUMENTATION CD-ROM: ALL SPARCSYSTEMS		
			MFGR.Şun.Microsystems#\$\$-23		
013	1	EA	sx-09	738.15	738.15
			SOLARIS 1.1.1 DOCUMENTATION FULL DOCUMENTATION SET (NO MEDIA) SUNOS FULL MANUAL SET WITH BINDERS		
			MFGR.Sun Microsystems# SX-09		
			WARRANTY.90.days.after.installation.		
014	1	EA	FOB Destination N.B. PLEASE SEND CURRENT PRICE LIST	750.00	750.00
			WITH YOUR BID.		\$75,710.70
			IF THE BIDDER TAKES EXCEPTION TO ANY-THING IN THE SPECIFICATIONS THE EXCEPTIONS MUST BE LISTED BELOW. IF NECESSARY SUPPLEMENT THIS FORM AND SO INDICATE BELOW. IF NO EXCEPTIONS ARE TAKEN, WRITE "NONE".		
			NONE		
					·
	·				

WE OFFER TO SELL TO YOU THE ABOVE MATERIAL(S) OR SERVICE AT THE PRICE AND TERMS SPECIFIED HEREON, AND IN ACCORDANCE WITH THE GENERAL AND SPECIAL BID CONDITIONS FURNISHED.

ALTERNATIVE MATERIALS OR SPECIFICATIONS, IF ANY HAVE BEEN CLEARLY INDICATED.

IF YOU HAVE ANY QUESTIONS CONCERNING THIS REQUEST FOR QUOTATION, CONTACT THE BUYER AT THE ADDRESS AND TELE-PHONE NUMBER SHOWN ABOVE.

THIS	IS	NOT
AN	OR	DER

BID SUBMITTED BY:	DATE
FIRM NAME	
SIGNED	
TITLE	
TELEPHONE NUMBER_	

TOLL-FREE TEL. NO._



Sales Quotation

Quote Number: 4146-A

Quote Date: Jan 28 1994 [Quote Valid For 60 Days]

To: R. C. Bolling University Of TN

Purchasing Department 2200 Andy Holt Avenue Knoxville, TN 37996 Ph/Fax: 974-3311/

From: Thomas Rittenberry

Knoxville, TN, Sales Office 725 Pellissippi Parkway

Suite 205

Knoxville, TN 37922

Ph/Fax: (615) 966-8528 / (615) 675-1380

We are pleased to quote as follows:

R	eference
EC-E00121	

Crea	it lerms
Net 30 Days	

	Approved B
F.O.B	
Destination / Point Embarcation	of

Page 1 of 3

Item	Product Number	Description	Qty	Unit List	Disc	Unit Net	Extended Net
1	S10FGX-40-32 -P46	SPARCsystem 10 Model 40 with One SuperSPARC Processor GX 8-bit Accelerated 2-D/3-D Color Graphics Workstation 16-inch Color Monitor, 32-Mbyte, 1.05-Gbyte Internal Fast SCSI-2 Disk, Speakerbox, 1.44-Mbyte 3.5-inch Internal Floppy Drive	3	17,495.00		Price	Priœ (US\$)
2	X3540F	SPARCsystem 10 Country Kit SPARCsystem 10 Type 5 Country Kit Type 5 Country Kit for U.S. and Canada Only UNIX	3	. 0		0	0
3	X987A	Audio/AUI Adapter Cable	3	75.00	43.000	42.75	128.25
4	X545A	1.05-Gbyte Fast SCSI-2 Desktop Disk Pack	3	1,600.00	43.000	912.00	2,736.00
5	X116F	16-Mbyte Memory Expansion (16-Mbyte SIMM)	2	1,025.00	43.000	584.25	1,168.50
	·						

Expected Shipment: 15-20 Days After Receipt Of Order.

Please read this quotation carefully. The terms set forth on the last page of this form constitute the entire agreement between the seller and buyer. Seller will not be bound by any terms of buyer's order that are inconsistent with the terms herein. Acceptance by buyer of these terms may be made either [1] by written acceptance or [2] by receipt by buyer of delivery of any goods described on the face of this form and failure by buyer to return the goods within five days following such delivery.

This quotation shall remain firm for the period listed above unless modified by SUN MICROSYSTEMS, INC, prior to our acceptance of your order. This quotation and any order placed as a result hereof shall be subject exclusively to the modifications or walvers of any of the Terms and Conditions contained the extraction of the attached agreements. Any contract resulting from this quotation must be signed in Mountain View, CA by a duly authorized representative of SUN MICROSYSTEMS, INC. Any additions, MICROSYSTEMS, INC. disclaims all implied warranties, including all warranties of merchantability and all warranties of filmess for a particular purpose. SUN MICROSYSTEMS, INC. shall not be fiable for incidental, special, or consequential damages arising from any cause.

A		•
Accepted By:	Title:	75. 4
A 2	11116	Date:
Note: Not valid unless accompanied by a hardcopy Purchase Order.		



Sales Quotation

Quote Number: 4146-A

Quote Date: Jan 28 1994 [Quote Valid For 60 Days]

> Page 2 of 3

						·	2 of 3
Ite	m Product Number	Description	Qt	y Unit List Price	Disc	Unit Net Price	Extended Net Price (US \$)
6	4/30FGX-16-P44	SPARCsystem LX GX 8-bit Accelerated 2-D/3-D Color Graphics Workstation 16-inch Color Monitor, 16-Mbyte, 535-Mbyte Internal SCSI-2 Disk		7 8,995.00	43.000		
7	X3540R	Type 5 Country Kit Type 5 Country Kit for U.S. and Canada Only UNIX	7	c		0	0
8	X557A	Desktop SunCD Plus Pack	1	895.00	43.000	510.15	510.15
9	X660A	150-Mbyte 1/4-inch Tape Desktop Backup Pack	1	1,700.00	43.000	969.00	969.00
10	X814A	5-Gbyte 8mm Tape Backup Drive Desktop Storage Module	1	4,400.00	43.000	2,508.00	2,508.00
11	SX-21	Solaris 1.1.1 Media for New Systems Only Solaris Software (Media Only) - For Use Worldwide CD-ROM for: All SPARCsystems (except SPARCclassic and SPARCstation LX)	1	200.00	43.000	114.00	114.00
12	SS-23	Solaris 1.1.1 Answerbook Online Documentation Media, Single-User License, and Documentation CD-ROM: All SPARCsystems	1	495.00	43.000	282.15	282.15
13	SX-09	Solaris 1.1.1 Documentation Full Documentation Set (No Media) SunOS Full Manual Set with Binders	1	1,295.00	43.000	738.15	738.15
14	FOB DEST		1	750.00		750.00	750.00

Accepted By:	Triate.	
Note: Not valid unless accompanied by a hardcopy Purchase Order.	Title:	_ Date:
17		



Sales Quotation

Quote Number: 4146-A

Quote Date: Jan 28 1994 [Quote Valid For 60 Days]

> Page 3 of 3

							L
Item	Product Number	Description	Qty	Unit List Price	Disc	Unit Net	Extended Net Price (US \$)
		-		race		Price	Price (US \$)
		Quote Total:					75,710.70
							75,710.70
	14						
							ı
	·			·			
				·		` ,	
						·	
						·	
			ļ				
						•	
			- 1		1		

Accepted Day	erest . d	•
Accepted By:	Title:	Date:
Note: Not valid unless accompanied by a hardcopy Purchase Order.		

PAGE

PURCHASING DEPARTMENT 2200 ANDY HOLT AVENUE KNOXVILLE TN 615-974-3311 37996 5000

REQUEST FOR QUOTATION NUMBER EC-E00121

DATE 01/24/94

RETURN QUOTATION BY DATE SHOWN



DUE DATE 02/09/94

10:45 ET

BUYER R. C. BOLLING

THIS IS NOT

AN

Bidder

ATLANTIC MICROSYSTEMS INC 585 GROVE ST, SUITE 140 HERNDON VA 22070

74461N Bidder PLEASE

INSERT

SHIPMENT PROMISED F.O.B.

OF	RDER				INSERT	F.O.B. UTK-DES	T 10764 30
ITE	M QUAN	ПТҮ	UNI	T DESCRIPTION		00000	
001		3	EA	ITEMS AS LISTED BELOW TO BE SUN PER TH ATTACHED SPECIFICATIONS OR EQUAL. S10FGX-40-32-P46	IE LIN	NT PRICE	AMOUNT
				SPARCSYSTEM 10 MODEL 40 WITH ONE SUPERSPARC PROCESSOR GX 8-BIT ACCELERATED 2-D/3-D COLOR GRAPHICS WORKSTATION 16-INCH COLOR MONITOR, 32-MBYTE DISK, SPEAKERBOX, 1.44-MBYTE 3.5-INCH INTERNAL FLOPPY DRIVE			30,350.88
002	3		EA	MFGR. H. L	10,1	16.96	30, 350,00
003	3	E	A	MFGR##	N	0	CHARGE
004	3	E	A	AUDIO/AUI ADAPTER CABLE MFGR##	No		CHange
005	2	EA	1 /	SACK SEAGATE#.ST.3.1200N	948	.64	2,845.92
			M	6-MBYTE MEMORY EXPANSION 16-MBYTE SIMM) FGR. A.X.(L##	445	36	1,490.72

WE OFFER TO SELL TO YOU THE ABOVE MATERIAL(S) OR SERVICE AT THE PRICE AND TERMS SPECIFIED HEREON, AND IN ACCORDANCE WITH THE GENERAL AND SPECIAL BID CONDITIONS FURNISHED.

ALTERNATIVE MATERIALS OR SPECIFICATIONS, IF ANY HAVE BEEN CLEARLY INDICATED.

IF YOU HAVE ANY QUESTIONS CONCERNING THIS REQUEST FOR QUOTATION, CONTACT THE BUYER AT THE ADDRESS AND TELE-PHONE NUMBER SHOWN ABOVE.

THIS IS NOT AN ORDER

BID SUBMITTED BY: FIRM NAME_HTT SIGNED

TELEPHONE NUMBER

TOLL-FREE TEL. NO.

PAGE 2

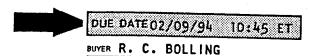
PURCHASING DEPARTMENT
2200 ANDY HOLT AVENUE
KNOXVILLE TN 37996 5000
615-974-3311

NUMBER EC-E00121

DATE 01/24/94

Bidder

RETURN QUOTATION BY DATE SHOWN



THIS

IS NOT AN

ATLANTIC MICROSYSTEMS INC 585 GROVE ST, SUITE 140 HERNDON VA 22070

74461N Bidder PLEASE

INSERT

SHIPMENT PROMISED 30 days ARO
TERMS 10 net 30
F.O.B.
UTK-DEST

ORDER

NO.	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
006	7	EA	4/30FGX-16-P44		
007	7	EA	SPARCSYSTEM LX GX 8-BIT ACCELERATED 2-D/3-D COLOR GRAPHICS WORKSTATION 16-INCH COLOR MONITOR, 16-MBYTE, 535-MBYTE INTERNAL SCSI-2 DISK MFGR AXLL. 220#. professional + X3540R	5,640.56	39,693,98
			TYPE 5 COUNTRY KIT TYPE 5 COUNTRY KIT FOR U.S. AND CANADA ONLY UNIX	Ν̈́O	CHARGE
008	,	- 4	MFGR#		
000	;	EA	X557A DESKTOP SUNCD PLUS PACK MFGR.TEXEL #5024	432.32	432.32
009	1	EA	X660A		
			150-MBYTE 1/4-INCH TAPE DESKTOP BACKUP PACK		
010	1.	EA	MFGR#	498.40	498.40
			5-GBYTE 8MM TAPE BACKUP DRIVE DESKTOP STORAGE MODULE #	2 296.00	2,296.00
011	1	EA	SX-21		
			SOLARIS 1.1.1 MEDIA FOR NEW SYSTEMS	NO	2,296.00 CHARGE
			ONLY SOLARIS SOFTWARE (MEDIA ONLY) - FOR USE WORLDWIDE CD-ROM FOR: ALL SPARCSYSTEMS (EXCEPT SPARCCLASSIC AND		

WE OFFER TO SELL TO YOU THE ABOVE MATERIAL(S) OR SERVICE AT THE PRICE AND TERMS SPECIFIED HEREON, AND IN ACCORDANCE WITH THE GENERAL AND SPECIAL BID CONDITIONS FURNISHED.

ALTERNATIVE MATERIALS OR SPECIFICATIONS, IF ANY HAVE BEEN CLEARLY INDICATED.

IF YOU HAVE ANY QUESTIONS CONCERNING THIS REQUEST FOR QUOTATION, CONTACT THE BUYER AT THE ADDRESS AND TELE-PHONE NUMBER SHOWN ABOVE,

THIS IS NOT AN ORDER FIRM NAME ATT ANT

DATE 2-4-99 TICO MICRO

SIGNED SUSAND

TITLE DIR OF MYTG & SALES
TELEPHONE NUMBER 1903-478-2764

TOLL-FREE TEL NO.

PAGE 3 PURCHASING DEPARTMENT 2200 ANDY HOLT AVENUE KNOXYILLE TN 615-974-3311

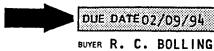
37996 5000

REQUEST FOR QUOTATION NUMBER EC-E00121

DATE 01/24/94

Bidder

RETURN QUOTATION BY DATE SHOWN



DUE DATE 02/09/94

10:45 ET

THIS

IS NOT AN

ATLANTIC MICROSYSTEMS INC 585 GROVE ST, SUITE 140 HERNDON VA 22070

74461N Bidder

PLEASE INSERT

SHIPMENT TERMS F.O.B.

UTK-DEST

ORDER

NO.	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TALLOMA
			SPARCSTATION LX) MFGR#		
012	1	EA	SS-23		
			SOLARIS 1.1.1 ANSWERBOOK ONLINE DOCUMENTATION MEDIA, SINGLE-USER LICENSE AND DOCUMENTATION CD-ROM:		
			ALL SPARCSYSTEMS MFGR#	448,00	448.00
013	,	EA	SX-09	,	:-
1	•		SOLARIS 1.1.1 DOCUMENTATION FULL DOCUMENTATION SET (NO MEDIA) SUNOS FULL MANUAL SET WITH BINDERS	Gay oó	924.00
			MFGR#	924.00	16-1.0
			WARRANTY		
		i	N.B. PLEASE SEND CURRENT PRICE LIST AND DESCRIPTIVE LITERATURE WITH YOUR BID.		
			IF THE BIDDER TAKES EXCEPTION TO ANY-THING IN THE SPECIFICATIONS THE EXCEPTIONS MUST BE LISTED BELOW. IF NECESSARY SUPPLEMENT THIS FORM AND SO INDICATE BELOW. IF NO EXCEPTIONS ARE TAKEN, WRITE "NONE".		
		ł	NONE		- 10
	·			TOTAL:	78,980.16
		İ	••••••		
			••••••	,	
İ		į	••••••		

WE OFFER TO SELL TO YOU THE ABOVE MATERIALS) OR SERVICE AT THE PRICE AND TERMS SPECIFIED HEREON, AND IN ACCORDANCE WITH THE GENERAL AND SPECIAL BID CONDITIONS FURNISHED.

ALTERNATIVE MATERIALS OR SPECIFICATIONS, IF ANY HAVE BEEN CLEARLY INDICATED.

IF YOU HAVE ANY QUESTIONS CONCERNING THIS REQUEST FOR QUOTATION, CONTACT THE BUYER AT THE ADDRESS AND TELE-PHONE NUMBER SHOWN ABOVE.

BID SUBMITTED BY: FIRM NAME.

torres

SIGNED

THIS IS NOT

AN ORDER

TELEPHONE NUMBER

TOLL-FREE TEL NO.

PAGE 1

PURCHASING DEPARTMENT
2200 ANDY HOLT AVENUE
KNOXVILLE TN 37996 5000
615-974-3311

NUMBER EC-E00121

DATE 01/24/94 ·

RETURN QUOTATION BY DATE SHOWN



DUE DATE 02/09/94 10:45 ET

BUYER R. C. BOLLING

IS NOT AN

THIS

FALCON SYSTEMS INC 1417 WEST NORTH MARKET SACREMENTO CA 95834 DARLENE CRAIB

53619N Bidder

SHIPMENT PROMISED 3 Wells ARO

PLEASE T

N27.30

UTK-DEST

ORDER

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
001	3	EA	ITEMS AS LISTED BELOW TO BE SUN PER THE ATTACHED SPECIFICATIONS OR EQUAL. SIOFGX-40-32-P46 SPARCSYSTEM 10 MODEL 40 WITH ONE SUPERSPARC PROCESSOR GX 8-BIT ACCELERATED 2-D/3-D COLOR GRAPHICS WORKSTATION 16-INCH COLOR MONITOR, 32-MBYTE 1.05-GBYTE INTERNAL FAST SCSI-2 DISK, SPEAKERBOX, 1.44-MBYTE 3.5-INCH INTERNAL FLOPPY DRIVE		\$ 44,178,
002	3	EA	MFGR#. X3540F SPARCSYSTEM 10 COUNTRY KIT SPARCSYSTEM 10 TYPE 5 COUNTRY KIT TYPE 5 COUNTRY KIT FOR U.S. AND CANADA ONLY UNIX		Nchy.
003	3	EA	MFGR#	\$ 75.00	\$ 225.
004	3	EA	MFGR##	\$1,000:	3,000
005	2	EA	MFGR# X116F 16-MBYTE MEMORY EXPANSION (16-MBYTE SIMM) MFGR#	\$750,	\$1500-

WE OFFER TO SELL TO YOU THE ABOVE MATERIALIS) OR SERVICE AT THE PRICE AND TERMS SPECIFIED HEREON, AND IN ACCORDANCE WITH THE GENERAL AND SPECIAL BID CONDITIONS FURNISHED.

ALTERNATIVE MATERIALS OR SPECIFICATIONS, IF ANY HAVE BEEN CLEARLY INDICATED.

IF YOU HAVE ANY QUESTIONS CONCERNING THIS REQUEST FOR QUOTATION, CONTACT THE BUYER AT THE ADDRESS AND TELEPHONE NUMBER SHOWN ABOVE.

۱ م TOI

THIS IS NOT AN ORDER BID SUBMITTED BY:

DATE_2-1-94

FIRM NAME FALCON, SYSTEMS JI

TITLE NATO ACCT, RSP

TELEPHONE NUMBER_

TOLL-FREE TEL NO. 800.326 -1002

PAGE 2

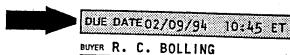
PURCHASING DEPARTMENT
2200 ANDY HOLT AVENUE
KNOXVILLE TN 37996 5000
615-974-3311

NUMBER EC-E00121

DATE 01/24/94

Bidder

RETURN QUOTATION BY DATE SHOWN



THIS IS NOT

FALCON SYSTEMS INC 1417 WEST NORTH MARKET SACREMENTO CA 95834

53619N Bidder PLEASE

SHIPMENT PROMISED		
TERMS	 	

ORDER

AN

F.O.B.
UTK-DEST

LINIT PRICE AMOUNT

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
006	7	EA	4/30FGX-16-P44		
			SPARCSYSTEM LX GX 8-BIT ACCELERATED 2-D/3-D COLOR GRAPHICS WORKSTATION 16-INCH COLOR MONITOR, 16-MBYTE, 535-MBYTE INTERNAL SCSI-2 DISK	7000.	\$49,000.
007	7	EA	MFGR# X3540R		
			TYPE 5 COUNTRY KIT TYPE 5 COUNTRY KIT FOR U.S. AND CANADA ONLY UNIX		No dg.
008	1	EA	MFGR#	800:	t 800.
009	1	EA	MFGR##		
			150-MBYTE 1/4-INCH TAPE DESKTOP BACKUP PACK MFGR#	\$585,	\$585.
010	1		X814A 5-GBYTE 8MM TAPE BACKUP DRIVE DESKTOP STORAGE MODULE	\$2,400;	\$2,400.
011	1	EA	MFGR#	,	
			SOLARIS 1.1.1 MEDIA FOR NEW SYSTEMS ONLY SOLARIS SOFTWARE (MEDIA ONLY) - FOR USE WORLDWIDE CD-ROM FOR:	\$200	\$ 200
			ALL SPARCSYSTEMS (EXCEPT SPARCCLASSIC AND		

WE	OFF	ER '	TO :	SELL	TO '	YOU	THE	AROV	F M	TER	A: /C1	O.P.	SERVI	^-
_	1115	rni	LE /	NU	LEKM	IS SE	'ECIF	IFD H	FRFC	'N	AND	361 A	CCOR	٠.
ANC	E W	ITH	THE	GEI	VERAL	. AN	D SP	ECIAL	BID	CON	DITIO	NS FL	URNISH	ÉD

ALTERNATIVE MATERIALS OR SPECIFICATIONS, IF ANY HAVE BEEN CLEARLY INDICATED.

IF YOU HAVE ANY QUESTIONS CONCERNING THIS REQUEST FOR QUOTATION, CONTACT THE BUYER AT THE ADDRESS AND TELEPHONE NUMBER SHOWN ABOVE.

THIS IS NOT
AN ORDER

BID SUBMITTED BY: DATE_	2-1-54
FIRM NAME FALCON	SYSTEMS
SIGNED WAY	
TITLE	

TOLL-FREE TEL NO. 800 .326 . 16 . 2

PAGE 3

PURCHASING DEPARTMENT
2200 ANDY HOLT AVENUE
KNOXVILLE TN
615-974-3311

NUMBER EC-E00121

DATE 01/24/94

RETURN QUOTATION
BY DATE SHOWN



DUE DATE02/09/94 10:45 ET

BUYER R. C. BOLLING

THIS

ORDER

IS NOT AN

FALCON SYSTEMS INC 1417 WEST NORTH MARKET SACREMENTO CA 95834

53619N Bidder

SHIPMENT PROMISED

PLEASE TERMS

N 27 · 3 0

F.O.B. UTK-DEST

ITEM QUANTITY UNIT NO. DESCRIPTION UNIT PRICE AMOUNT SPARCSTATION LX) MFGR..... 012 1 EA \$ 495. \$495. SOLARIS 1.1.1 ANSWERBOOK ONLINE DOCUMENTATION MEDIA, SINGLE-USER LICENSE AND MEDIA, SINGLE-DOCUMENTATION CD-ROM: ALL SPARCSYSTEMS MFGR. SUN 55-23 \$ 1295. 013 1 EA SX-09 SOLARIS 1.1.1 DOCUMENTATION FULL DOCUMENTATION SET (NO MEDIA) SUNOS FULL MANUAL SET WITH BINDERS MFGR. SUN ...# 5x-09 PLEASE SEND CURRENT PRICE LIST AND DESCRIPTIVE LITERATURE N.B. WITH YOUR BID. IF THE BIDDER TAKES EXCEPTION TO ANY-THING IN THE SPECIFICATIONS THE EXCEPTIONS MUST BE LISTED BELOW. IF NECESSARY SUPPLEMENT THIS FORM AND SO INDICATE BELOW. IF NO EXCEPTIONS ARE TAKEN, WRITE "NONE".

THIS IS NOT

AN ORDER

WE OFFER TO	SELL TO YOU TH	E ABOVE MAT	TERIAL(S) O	R SERVICE
*** ****	AND TERMS SPEC	IFIED DEBEAL	M 4415	

ALTERNATIVE MATERIALS OR SPECIFICATIONS, IF ANY HAVE BEEN CLEARLY INDICATED.

IF YOU HAVE ANY QUESTIONS CONCERNING THIS REQUEST FOR QUOTATION, CONTACT THE BUYER AT THE ADDRESS AND TELE-PHONE NUMBER SHOWN ABOVE.

BID SUBMITTED BY:

DATE 2-1-94

SYSTEMS INC,

FIRM NAME FALCON

SIGNED William

TITLE NAT ACCT, REP

TELEPHONE NUMBER.

TOLL-FREE TEL NO. 800-326-1002

PAGE 4

-PURCHASING DEPARTMENT 2200 ANDY HOLT AVENUE KNOXVILLE TN 379 615-974-3311

37996 5000

NUMBER EC-E00121

DATE 01/24/94

RETURN QUOTATION BY DATE SHOWN



DUE DATE 02/09/94 10:45 ET

THIS

Bidder

IS NOT AN

ORDER

FALCON SYSTEMS INC 1417 WEST NORTH MARKET SACREMENTO CA 95834 53619N Bidder

SHIPMENT PROMISED

BUYER R. C. BOLLING

PLEASE TERMS

INSERT

F.O.B. UTK-DEST

ITEM QUANTITY	LINIT	DESCRIPTION	UNIT PRICE	AMOUNT
NO. COANTITY		BESSIA HON	ONI PRICE	AMOUNT
	. ·	CERTIFICATION: PLEASE INDICATE BELOW ONLY IF YOUR FIRM IS: V.SMALLSMALL/DISADVANTAGED (MINORITY)WOMAN OWNED		
		IT IS UNDERSTOOD AND AGREED THAT THIS BID, WHEN CERTIFIED BY AN AUTHORIZED SIGNATURE, SHALL CONSTITUTE AN OFFER, WHICH WHEN ACCEPTED IN WRITING BY THE DEPARTMENT OF BUSINESS SERVICES, PURCHASING DIVISION, AND SUBJECT TO THE TERMS AND CONDITIONS OF SUCH ACCEPTANCE, WILL CONSTITUTE A VALID AND BINDING CONTRACT BETWEEN THE UNIVERSITY OF TENNESSEE AND THE VENDOR/CONTRACTOR (BIDDER) SUBMITTING SUCH OFFERING.		
		ATTACHMENTS: 1. GENERAL BID CONDITIONS 2. SPECIAL BID CONDITIONS 3. SPECIFICATIONS- 2 PAGE (S)		
		THE SUCCESSFUL BIDDER WILL BE REQUIRED TO CONFORM TO ALL PARKING REGULATIONS WHILE VEHICLES OF THE SUCCESSFUL BIDDER ARE ON THE UNIVERSITY OF TENNESSEE CAMPUS.		
		1. A VENDOR PARKING PERMIT WILL BE REQUIRED IF VEHICLES ARE TO BE PARKED ON UNIVERSITY GROUNDS, STREETS OR PARKING LOTS. PERMITS ARE AVAILABLE FROM THE UNIVERSITY TRAFFIC OFFICE AT 1411 WHITE AVENUE FOR A COST OF \$3.00 PER DAY PER VEHICLE OR \$72.00 PER YEAR PER VEHICLE. THESE COSTS ARE SUBJECT TO CHANGE.		
		2. ALL VENDOR VEHICLES ARE SUBJECT		· · · · · · · · · · · · · · · · · · ·

WE	OFF	ER	TO	SELL	TO	YOU	THE	ABO	VE M	ATER	IAL(S)	OF	R SERV	ICE
AT	THE	PR	CE	AND	TERI	as s	PECIF	ED	HERE	ON,	AND	m	ACCOR	D-
ANC	E W	TH	THE	E GEI	YERA	LAN	D SF	PECIA	L BID	COP	DITIO	NS I	URNIS	HED

ALTERNATIVE MATERIALS OR SPECIFICATIONS, IF ANY HAVE BEEN CLEARLY INDICATED.

IF YOU HAVE ANY QUESTIONS CONCERNING THIS REQUEST FOR QUOTATION, CONTACT THE BUYER AT THE ADDRESS AND TELEPHONE NUMBER SHOWN ABOVE,

BID SUBMITTED BY:

DATE.

SYSTEMS

FIRM NAME.

SIGNED_

TITLE_

THIS IS NOT

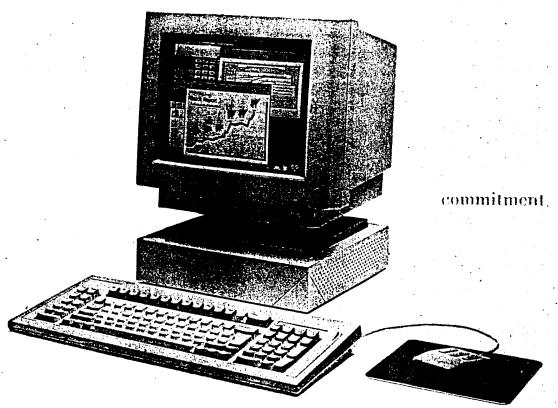
AN ORDER

TELEPHONE NUMBER

TOLL-FREE TEL. NO.



performance



innovation

The Axil-220 workstation family provides unmatched MicroSPARC price/performance and configuration flexibility. The Axil-220 includes a variety of configurations as well as systems identical to the SPARCstation LX and SPARCclassic."

The Axil 220 workstation family provides unmatched MicroSPARC price/performance and configuration flexibility. The Axil-220 includes a variety of configurations as well as systems identical to the SPARCstation LX and SPARCclassic. For example, one option provides Fax/Modem, which allows immediate send and receive communications with any Group III/IV facsimile machine. Also two internal hard disk drives can be configured, saving space. Designed and built in the U.S.A., the Axil-220 workstations are guaranteed 100% SPARC compliant, so all Solaris-based programs run without modification and Axil-220 Workstations integrate seamlessly into SPARC networks. In addition to supporting releases of Solaris 2.X, Solaris 1.1 is also available. Unlike other MicroSPARC-based systems which provide only a maximum of 96 MB of main memory, the Axil-220 supports a maximum of 128 MB of main memory for the more demanding engineering or database applications. The Axil-220 provides the most flexible, cost-effective MicroSPARC solutions available in the market today.

System Specifications Guaranteed 100% SPARC compliant

Processor		•	
Architecture	SPARC Version 8, Micro- SPARC 50 MHz	Audio (continued)	With GX graphics: 16-bit
Memory Management	SPARC reference MMU with 64 contexts		audio with internal speaker and external microphone.
On-Chip Cache	2 KB data, 4 KB instruction		External speaker box sup- porting 16-bit audio option-
Performance	· •	• •	ally available.
SPECint	26.4	Mass Storage	
SPECfp	21.0	Internal Floppy Disk	Ontional 2.5 in J. 700 KD C.
MIPS	59.1	zmernai i loppy Disk	Optional 3.5 inch, 720 KB/1.2 MB/1.44 MB, autoeject
MFLOPS	4.6	Internal Hard Disk	Maximum of two 3.5" low-
System Memory	•		profile disks (207 MB or 540 MB)
Standard .	16 MB	Supported External	1.3 GB Disk, 150 MB 1/4 inch
Maximum	32 MB with 8 MB SIMMS 128 MB with 32 MB SIMMS	Storage	Tape Drive, 644 MB CD-ROM
Memory Type	Parity		Drive (5.25 inch)
•	·	Supported Software	. •
Standard Interfaces		Operating Environment	Solaris 1.1, Solaris 2.X
Ethernet	10Mb/sec twisted pair stan-	Operating System	SunOS 4.1.3, SunOS 5.X.
	dard (10-Base T). AUI	Windowing System	Open Windows" Version 3
	available with optional	Languages	C, C++, Pascal, FORTRAN
	adapter cable	Networking	ONC", ONC+", NFS°, MHS
SCSI	10 MB/sec SCSI-2	. •	TCP/IP, SunNET OSI
Serial	Two RS-232C/RS-423 serial	Graphics	SunVision", SunPHIGS",
	ports	·	XGL", SunGKS", Xlib,
Parallel .	Centronics-compatible paralell port		PostScript [®]
SBus	Two expansion slots, 32-bit	Display Options	
	data path	GX Resolution	Accelerated 8-bit 2-D/3-D wire
Audio	With CG3 graphics: 8-bit	•	frame, 1024 x 768 or 1152 x





audio; internal speaker and

external microphone.



For more information, please contact Axil Workstations at 800.284.AXIL (within the USA) (+1) 512.345.1994 (outside the USA).

Axil Workstations is a division of Hyundai Electronics America. 166 Baypointe Parkway San Jose, CA 95134 Telephone 408.894.9700 Facsimile 408.894.8274 Sales 800.284.AXIL (within the USA), Sales (+1) 512.345.1994 (outside the USA)

Specifications subject to change without notice. Hyundai is a registered trademark of Hyundai Electronics Industries Co., Ltd. Other names identified by Two or are are are are are a registered trademarks or trade

CG3

Monitor Support

900 resolution

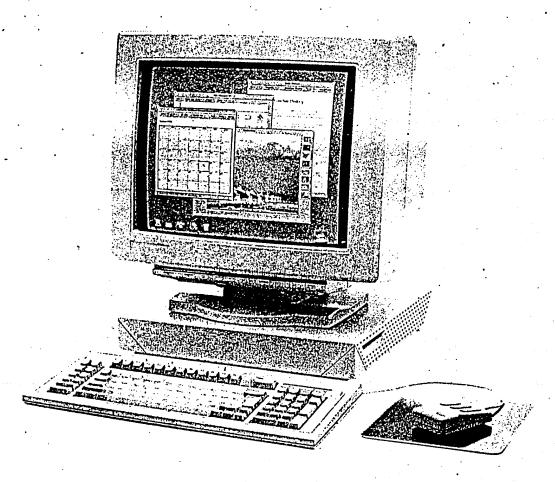
900 resolution

15, 17 and 20 inch color

1024 x 768 (SVGA) or 1152 x



ososkiion.



commitment

M. TO T T Model 4.0

The Axil-311 Model 4.0 sets the price/performance standard for SPARCstation 10 compatibility. Based on SuperSPARC MBus technology, the Model 4.0 provides. the ideal platform to handle your most demanding applications.

Model 4.0

The Axil-311 Model 4.0 workstation sets the price/performance standard for SPARCstation 10 compatibility. Based on SuperSPARC MBus and multimedia technology, the Model 4.0 provides the ideal platform to handle your most demanding business, scientific, and engineering applications. The Model 4.0 can easily be upgraded to multiprocessing capability.* In addition, the Model 4.0 is designed and built in the U.S.A. and is guaranteed 100% SPARC compliant so you can integrate it into your SPARC network with confidence. At Axil Workstations, we don't just deliver promises, we deliver performance with productivity.

System Specifications Guaranteed 100% SPARC compliant

optional audio kit)

Processor Module	SuperSPARC Version 8	Mass Storage Internal Floppy Disk	3.5 inch, 720 KB/1.2 MB/
Clock Rate Cache (on-chip)	40 MHz 36 KB (20 KB instruction, 16 KB data)	Internal Hard Disk	1.44 MB, autoeject Maximum of two 3.5 inch disks (540 MB, 1.05 GB of 1.3 GB)
Performance (at 40 N SPECint 92 SPECip 92 MIPS MFLOPS	1Hz) 50.2 60.2 109.5 22.9	Supported External Storage Supported Input Devic Keyboard Mouse	1.3 GB Disk, QIC-150 Tape Drive, 644 MB CD-ROM Drive (5.25 inch)
Standard Maximum Memory Type Buswidth SIMM Size I/O Interfaces SBus Ethernet	32MB 512 MB ECC 144 bits 16 MB, 64 MB Four expansion slots, 32-bit width. 10 Mbit/sec built-in 10Base-T (Twisted Pair), separate AUI	Supported Software Operating Environment Operating System Windowing System Languages Networking Graphics	Solaris* 1.1, Solaris 2.X SunOS* 4.1.3, SunOS 5.X OpenWindows* Version 3 C, C++, Pascal, FORTRAN ONC, ONC+*, NFS*, MHS TCP/IP, SunNET** OSI SunVision**, SunPHIGS**, XGL**, SunGKS**, Xlib, PostScript**
SCSI ISDN Serinl Parallel Audio	adapter cable 10 MB/sec SCSI-2 Dual basic-rate interface (4-wire NT, 4-wire TE) Two RS-232C/RS-423 ports Centronics compatible parallel port CD quality, stereo 16-bit digital audio (external speakers and microphone included with	Display Options GX Resolution GXplus Resolution CG3, SVGA also supported Monitor Support	1152(H) x 900(V), 76 Hz refresh rate 1280(H) x 1024(V), 67 Hz refresh rate 15, 17 and 19 inch color

* Solaris 2.X required for multiprocessing.







Axil Workstations is a division of Hyundal Electronics America, 166 Baypointe Parkway San Jose, CA 95134 Sales (+1) 408.894.9700 (outside the USA) Sales 800.284.AXIL (within the USA) Facsimile (+1) 408.894.8274

Specifications subject to change without notice. Hyundal is a registered trademark of Hyundal Electronics Industries Co., Ltd. Other names identified by or are trademarks or registered trademarks of their respective companies or organizations.

P/N 4015 Printed in USA 7/93

Printed on Recycled Paper





REMITTANCE ADDRESS

ATLANTIC MICROSYSTEMS HAS A
REMITTANCE ADDRESS TO WHICH

PAYMENTS SHOULD BE MAILED TO:

ATLANTIC MICROSYSTEMS, INC. PO BOX 1553 HERNDON, VA 22070

ALL OTHER INFORMATION SHOULD BE MAILED TO THE OFFICE ITSELF AT THE ADDRESS BELOW.

THANK YOU.

IF YOU ARE NOT 100% SATISFIED
WITH THE COMPATIBILITY OF
AXIL WORKSTATIONS
WITHIN 90 DAYS,
AXIL WILL PROVIDE YOU WITH
A 100% REFUND OF YOUR
PURCHASE